



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,997	02/11/2002	Jae Hee So	98078-88003	8755\

22807 7590 11/16/2004

GREENSFELDER HEMKER & GALE PC  
SUITE 2000  
10 SOUTH BROADWAY  
ST LOUIS, MO 63102

EXAMINER

JACOBS, LASHONDA T

ART UNIT	PAPER NUMBER
----------	--------------

2157

DATE MAILED: 11/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/937,997

Applicant(s)

SO ET AL.

Examiner

LaShonda T Jacobs

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 11 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Teare et al (hereinafter, "Teare" U.S. Pat. No. 6,151,624).

As per claim 1, Teare discloses, in a web page accessing system connecting a client to a specific web page on the network, a web page accessing system, comprising:

- a database storing matched Internet Protocol (IP) addresses, Uniform Resource Locator (URL) information and real names on a plurality of web pages (col. 7, lines 1-9); and
- a real name server, when an access word input from the client is the real name, searching the real name database using the real name, finding a corresponding IP address and providing the IP address to the client in order for the client to access the web page corresponding to one IP address (col. 8, lines 64-67, col. 9, lines 1-21 and col. 13, lines 36-67).

As per claim 2, Teare discloses:

- wherein the real name database stores a plurality of the real names corresponding to one IP address and the URL information corresponding to each real name (col. 7, lines 1-9).

- wherein the real name database stores a plurality of the real names corresponding to one IP address and the URL information corresponding to each real name (col. 7, lines 1-9).

As per claim 3, Teare further discloses:

- a web server which connects the client to the corresponding web page according to the URL information corresponding to the real name input by the client and the real name server when another real name corresponds to the IP address corresponding to the real name input by the client provides the IP address of the web server to the client so that the client accesses the web server (col. 8, lines 64-67, col. 9, lines 1-21, col. 9, lines 41-47 and col. 13, lines 36-67).

As per claim 4, Teare further discloses:

- an access database which stores access information including the IP address of the client which accesses the real name server and the web server connects the client to the corresponding web page according to whether or not the IP address of the accessing client is stored in the access database (col. 9, lines 5-21).

As per claim 5, Teare discloses:

- wherein the real name server when another real name corresponds to the IP address corresponding to the real name input by the client provides the IP address of the web server to the client and stores a first access information including the IP address of the client and the URL information corresponding to the real name input by the client in the access information database and the web server when the IP address of the accessing client is included in the first access information stored in the access information database connects the client to the corresponding web page according to the URL

Art Unit: 2157

information included in the first access information (col. 8, lines 64-67, col. 9, lines 1-21 and col. 13, lines 36-67).

As per claim 6, Teare discloses:

- wherein the real name server when the real name input by the client is not stored in the real name database provides the IP address of the web server to the client and stores a second access information including the IP address of the client and the real name input by the client in the access information database and the system further comprises a search engine which searches and collects various information including the real name on a plurality of web pages on the network by using the real name included in the second access information as the search word when the IP address of the client is stored in the second access information of the access information database (col. 8, lines 64-67, col. 9, lines 1-21, col. 12, lines 17-65 and col. 13, lines 36-67).

As per claim 7, Teare discloses in a web page accessing system connecting a client to a specific web page on the network, a web page accessing system, comprising:

- a real name database storing matched Uniformed Resource Locator (URL) information and real names on a plurality of web pages (col. 7, lines 1-9);
- a web server when an access word input by the client is a real name searching the real name database and finding the corresponding URL information using the real name and connecting the client to the corresponding web page according to the URL information (col. 8, lines 64-67, col. 9, lines 1-21, col. 9, lines 41-47 and col. 13, lines 36-67); and
- a hook module when the client checks an access word input event and the access word input event occurs providing the input access word to the web server (col. 8, lines 9-13).

Art Unit: 2157

As per claim 8, Teare further discloses:

- accessing banning database which stores English domain names on a plurality of the web pages to which access is to be banned and the web server when the access word input from the client is the English domain name and is stored in the access banning database bans the access to the web page corresponding to the access word (col. 7, lines 42-56).

As per claim 9, Teare discloses in a web page accessing system connecting a client to a specific web page on the network, a web page accessing system, comprising:

- a database storing matched Internet Protocol (IP) addresses, Uniform Resource Locator (URL) information and real names on a plurality of web pages (col. 7, lines 1-9);
- a web server connecting the accessed client to the corresponding web page according to the URL information stored in the real name database (col. 8, lines 64-67, col. 9, lines 1-21, col. 9, lines 41-47 and col. 13, lines 36-67); and
- a real name server when the access word input by the client is the real name providing the IP address of the web server so that the client accesses the web server and the web server extracting the access word input by the real name server, searching the real name database using the real name to find the corresponding URL information and connecting the client to the corresponding web page according to the URL information (col. 8, lines 64-67, col. 9, lines 1-21, col. 12, lines 17-65 and col. 13, lines 36-67).

As per claims 10, 11 and 12, Teare discloses:

- wherein when the access word input by the client comprises a dot character, the access word is determined to be the English domain name and when the access word input by

Art Unit: 2157

the client does not comprise the dot character the access word is determined to be real name (col. 13, lines 40-67).

As per claims 13, 14 and 15, Teare discloses:

- wherein the real name comprises non-English languages and the English language (col. 7, lines 42-56).

As per claim 16, Teare discloses in a web page accessing system connecting to a client to a specific web page on the network, a web page accessing system, comprising:

- a local name server, when an access word input from the client is a non-English real name, encoding the real name into an English data format and outputting the encoded real name and when the access word is the English domain name, outputting the input English domain name without any changes (col. 7, lines 34-56 and col. 8, lines 58-61);
- a real name server providing an Internet Protocol (IP) address corresponding to the real name encoded with the English data format (col. 8, lines 58-67, col. 9, lines 1-21 and col. 10, lines 22-30); and
- an English domain name server providing the IP address corresponding to the English domain name and the local name server providing the IP address provided by the real name server or the English domain name server in order for the client to access the web page having the IP address (col. 9, lines 41-62).

As per claims 18, 19, 20 and 21, Teare discloses:

- a hierarchical real name server which processes a hierarchical real name including one or more keywords and provides the corresponding IP address (col. 14, lines 51-65); and

Art Unit: 2157

- a single real name server which processes a single real name including one or more keyword and provides the corresponding IP address. (col. 8, lines 58-67, col. 9, lines 1-21 and col. 10, lines 22-30)

As per claim **22**, Teare disclose:

- wherein the hierarchical real name includes one or more keywords divided by the dot character (col. 13, lines 40-67).

As per claims **23** and **24**, Teare discloses:

- wherein the case where the real name which is positioned at the rightmost or leftmost position of the keywords of the hierarchical real name is set to be an upper domain name, the hierarchical real name server sequentially processes the real names from the uppermost domain name and provides the IP address corresponding to the leftmost or rightmost positioned keyword (col. 13, lines 40-67).

As per claim **25**, Teare discloses in a method for connecting a client to a corresponding web page using a database storing matched Internet Protocol (IP) addresses, Uniform Resource Locator (URL) information and real names on the web pages on the network, a web page accessing system method, comprising the steps of:

- determining whether an access word input by the client is the real name (col. 13, lines 40-67);
- searching the database and finding the IP address corresponding to the real name when the access word is the real name (col. 13, lines 40-67); and
- providing the IP address to the client so that the client accesses the web page corresponding to the IP address (col. 13, lines 40-67).



Art Unit: 2157

As per claim 26, Teare further discloses:

- a step of connecting the client to the corresponding web page according to the URL information input by the client in the case where another real name corresponds to the IP address corresponding to the real name input by the client (col. 20, lines 56-67, col. 21, lines 1-7, lines 20-29 and lines 38-45).

As per claim 27, Teare discloses in a method for connecting a client to a corresponding web page using a database storing matched Uniform Resource Locator (URL) information and real names on the web pages on the network, a web page accessing method, comprising the steps of:

- determining whether an access word input by the client is the real name (col. 13, lines 40-67);
- searching the database and finding the URL information address corresponding to the real name when the access word is the real name (col. 13, lines 40-67); and
- connecting the client to the corresponding web page according to the URL information corresponding to the real name input by the client (col. 20, lines 56-67, col. 21, lines 1-7, lines 20-29 and lines 38-45).

As per claim 28, Teare discloses in a web page accessing method of a system comprising:

- a real name database for storing matched Internet Protocol (IP) addresses, Uniform Resource Locator (URL) information and real names on the web pages on the network; a real name server providing the IP address to clients; and a web server connecting the client to a specific web page (col. 8, lines 64-67, col. 9, lines 1-21, col. 12, lines 17-65 and col. 13, lines 36-67).

a web page accessing method comprising the steps of:

Art Unit: 2157

- the real name server providing the IP address of the web server to the client when the access word input by the client is the real name (col. 20, lines 56-67 and col. 21, lines 1-7);
- the web server extracting the access word input to the real name server by the client when the client is accessed (col. 21, lines 8-29);
- searching the real name database and finding the URL information corresponding to the real name in the case where the extracted access word is the real name (col. 21, lines 38-46); and
- connecting the client to the corresponding web page according to the URL information (col. 20, lines 56-67, col. 21, lines 1-7, lines 20-29 and lines 38-45).

As per claims 29, 30 and 31, Teare further discloses:

- a step of searching and collecting various information including the real name from the web pages on the network using the real name as a search word and providing the information to the client in the case where the real name input by the client is not stored in the database col. 8, lines 64-67, col. 9, lines 1-21, col. 12, lines 17-65 and col. 13, lines 36-67).

As per claim 32, Teare discloses in a method for connecting a client to a corresponding web page using a real name server and an English domain name server providing corresponding Internet Protocol (IP) addresses corresponding to the web pages on the network by processing non-English real names and English domain names, a web page accessing method, comprising the steps of:

Art Unit: 2157

- determining whether an access word input from the client is the non-English real name or the English domain name (col. 7, lines 34-56 and col. 8, lines 58-61);
- encoding the real name with an English data format when the access word is the real name (col. 24, lines 58-67 and col. 25, lines 1-42);
- providing the encoded real name to the real name server to request a corresponding IP address (col. 24, lines 58-67 and col. 25, lines 1-42);
- providing the English domain name to the English domain name server to request a corresponding IP address when the access word is the English domain name (col. 24, lines 58-67 and col. 25, lines 1-42); and
- providing the IP address provided by the real name server or the English domain name server to the client so that the client accesses the web page corresponding to the IP address (col. 24, lines 58-67 and col. 25, lines 1-42).

As per claims 17 and 33, Teare discloses:

- wherein the input access word is represented as eight bits and the most significant bit (MSB) is '1', the access word is determined to be the real name and wherein when the input access word is represented as eight bits and the most significant bit (MSB) is '0', the access word is determined to be the English domain name (col. 13, lines 40-67).

As per claims 34 and 35, Teare further discloses:

- a step of sequentially processing the keywords of the hierarchical real name from the keyword positioned at the rightmost or leftmost position and providing the IP address corresponding to the leftmost or the rightmost positioned keyword of the keywords to the client, in the case where the access word input by the client is a hierarchical real

Art Unit: 2157

name comprising one or more keywords and the keyword is divided by a dot character (col. 13, lines 40-67).

### *Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Pat. No. 6,687,746 to Shuster et al

U.S. Pat. No. 6,631,367 to Teng et al

U.S. Pat. No. 6,560,634 to Broadhurst

U.S. Pat. No. 6,314,469 to Tan et al

U.S. Pat. No. 6,446,133 to Tan et al

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShonda T Jacobs whose telephone number is 571-272-4004.

The examiner can normally be reached on 8:30 A.M.-5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair->

Application/Control Number: 09/937,997

Page 12

Art Unit: 2157

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LaShonda T Jacobs  
Examiner  
Art Unit 2157

ltj  
November 14, 2004

  
ARIELLE HENNE  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100